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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/731,848	12/08/2000	Seog Yeon Han	2950-0177P	8852
2292	7590	01/04/2006		
BIRCH STEWART KOLASCH & BIRCH PO BOX 747 FALLS CHURCH, VA 22040-0747			EXAMINER PYZOCHA, MICHAEL J	
			ART UNIT	PAPER NUMBER

2137

DATE MAILED: 01/04/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/731,848	HAN, SEOG YEON	
	Examiner	Art Unit	
	Michael Pyzocha	2137	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 22 October 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5 and 7-21 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-5 and 7-21 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

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DETAILED ACTION

1. Claims 1-5 and 7-21 are pending.
2. Amendment filed 11/16/2005 with a request for continued examination has been received and considered.

Claim Rejections - 35 USC § 102

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-4, 7-10, 12-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Caffarelli et al (US 6091686).

As per claims 1, 3, and 7, Caffarelli et al discloses a file management method for files recorded on in an optical disk, comprising the steps of: reading information on whether or not a file recorded on the optical disk is prohibited to be renamed; and determining whether to conduct a requested operation of renaming and moving the file based on the read information (see column 11 line 45 through column 12 line 12 and column 18 lines 10-26 where it is inherent to check the file attributes before using or modifying the file because the attributes describe and regulate the file's use. Marking a file as read only would

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prevent any type of modification including renaming and moving the file).

As per claims 2, 4, and 10, Caffarelli et al discloses the information is written on the optical disc in a file attribute field of a file identifier descriptor in which detailed information on the file is written (see column 11 line 45 through column 12 line 12 and column 18 lines 10-26).

As per claim 8, Caffarelli et al discloses the command for a file operation is received from a computer through a digital interface (see figures 1 and 2).

As per claim 9, Caffarelli et al discloses providing an external device an information identifying the rejection of the requested file operation if the requested file operation is rejected (see column 14 lines 17-21).

As per claims 12 and 18, Caffarelli et al discloses the file attribute field has a size of 1 bit (see column 11 lines 45-48).

As per claims 13-15 and 19, Caffarelli et al discloses moving a file to a different directory if permitted (see column 18 lines 10-27).

As per claims 16-17 and 20, Caffarelli et al discloses the attribute information is pre-written on the optical disk in file attribute fields of a file identifier descriptor associated with

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the associated file wherein the file identifier descriptor further includes a first field indicating whether or not a file exists, a second field indicating whether the file is a directory or file, a third field indicating deletion of the file, a fourth field indicating whether or not an associated directory is parent, and a fifth field indicating meta data (see column 11 line 45 through column 12 line 12 and figure 10).

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

5. Claims 5 and 11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Caffarelli et al as applied to claims 3 and 10 above, and further in view of Ikeda et al (US 6636551).

As per claims 5 and 11 Caffarelli et al fails to disclose an attribute for copying.

However, Ikeda et al discloses such a copy attribute (see column 22 lines 52-64).

At the time of the invention it would have been obvious to a person of ordinary skill in the art to use Ikeda et al's copy attribute with the attributes of Caffarelli et al's disk.

Motivation to do so would have been to allow for a copy once and never copy attribute (see Ikeda et al column 22 lines 52-64).

1. Claim 21 is rejected under 35 U.S.C. 103(a) as being unpatentable over Caffarelli et al as applied to claim 1 above, and further in view of NetWare (webpage).

As per claim 21, Caffarelli et al discloses a file descriptor including a field indicating whether or not a file exists (see column 11 lines 45-65), a field indicating whether the file is a directory or file (see figure 10 numbers 450, 455, 460, 470), a field indicating deletion of the file (see figure 10 number 490), a field indicating whether or not an associated directory is parent (see figure 10 number 535 and 540), a field indicating meta data (see column 11 line 30 through column 12 line 31), a field for storing the information of whether or not the file recorded on the optical disk is prohibited to be moved to another directory (see figure 10 number 450).

Caffarelli et al fails to disclose a field for storing the information of whether or not the file recorded on the optical disk is prohibited to be renamed, and a field for storing the

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information of whether or not the file recorded on the optical disk is prohibited to be copied.

However, NetWare teaches such fields (see figure 17 pages 18-19).

At the time of the invention it would have been obvious to a person of ordinary skill in the art to include NetWare's fields with the fields of Caffarelli et al.

Motivation to do so would have been to provide file system security (see page 2).

Response to Arguments

6. Applicant's arguments submitted on 11/16/2005 have been considered but are not persuasive. Applicant argues: that "read only" does not prevent the file from being renamed or moved and that the combination of Caffarelli and Ikeda does not teach the attribute patten is written on the optical disc in a file attribute field of a file attribute identifier descriptor.

With respect to Applicant's argument that "read only" does not prevent the file from being renamed or moved, by definition (taken from the Microsoft Press Computer Dictionary Second Edition © 1994) "read only" is "a term used to describe information stored in such a way that it can be played back

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(read) but cannot be changed (written). Read-only can apply to a file or document that can be displayed or printed but not altered in any way." Therefore it is clear that moving or renaming a file that is marked as "read only" would not be possible.

With respect to Applicant's argument that the combination of Caffarelli and Ikeda does not teach the attribute patter is written on the optical disc in a file attribute field of a file attribute identifier descriptor, all attributes in Caffarelli are stored in the file identifier descriptor and therefore when using the copy attribute of Ikeda it would also stored in the file identifier descriptor of Caffarelli.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Pyzocha whose telephone number is (571) 272-3875. The examiner can normally be reached on 7:00am - 4:30pm first Fridays of the bi-week off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Emmanuel Moise can be reached on (571) 272-3865. The fax phone number for the

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organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

MJP


EMMANUEL L. MOISE
SUPERVISORY PATENT EXAMINER